

WHAT IS CLAIMED IS:

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1. A floppy disk, comprising a primer layer, a magnetic layer, a protective layer, and a lubricating layer coated on at least one of the surfaces of a flexible nonmagnetic support member, whereby a seed layer is provided between the flexible support member and the primer layer.

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2. A floppy disk according to claim 1, wherein there is provided a flattening layer, comprising a heat-resistant polymer, on the flexible nonmagnetic support member.

3. A floppy disk according to claim 1, wherein thickness of the flattening layer is within the range of 0.1 - 5  $\mu\text{m}$ .

4. A floppy disk according to claim 2, wherein thickness of the flattening layer is within the range of 0.1 - 5  $\mu\text{m}$ .

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5. A floppy disk according to claim 1, wherein thickness of the flexible support member is within the range of 30 - 100  $\mu\text{m}$ .

20 6. A floppy disk according to claim 2, wherein thickness of the flexible support member is within the range of 30 - 100  $\mu\text{m}$ .

25 7. A floppy disk according to claim 3, wherein thickness of the flexible support member is within the range of 30 - 100  $\mu\text{m}$ .

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8. A floppy disk according to claim 4, wherein thickness of the flexible support member is within the range of 30 - 100  $\mu\text{m}$ .

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9. A floppy disk according to claim 1, wherein a Co-Cr alloy with Cr concentration within the range of 10 - 30 atom % is used for the magnetic layer.

10. A floppy disk according to claim 2, wherein a Co-Cr alloy with Cr concentration within the range of 10 - 30 atom % is used for the magnetic layer.

11. A floppy disk according to claim 3, wherein a Co-Cr alloy with Cr concentration within the range of 10 - 30 atom % is used for the magnetic layer.

10 12. A floppy disk according to claim 4, wherein a Co-Cr alloy with Cr concentration within the range of 10 - 30 atom % is used for the magnetic layer.

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15 13. A floppy disk according to claim 5, wherein a Co-Cr alloy with Cr concentration within the range of 10 - 30 atom % is used for the magnetic layer.

14. A floppy disk according to claim 6, wherein a Co-Cr alloy with Cr concentration within the range of 10 - 30 atom % is used for the magnetic layer.

20 15. A floppy disk according to claim 1, wherein a Cr alloy with Cr concentration within the range of 77 - 100 atom % is used as the primer layer.

16. A floppy disk according to claim 2, wherein a Cr alloy with Cr concentration within the range of 77 - 100 atom % is used as the primer layer.

25 17. A floppy disk according to claim 3, wherein a Cr alloy with Cr concentration within the range of 77 - 100 atom % is used as the primer layer.

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18. A floppy disk according to claim 4, wherein a Cr

alloy with Cr concentration within the range of 77 - 100 atom % is used as the primer layer.

19. A floppy disk according to claim 5, wherein a Cr alloy with Cr concentration within the range of 77 - 100 atom % is used as the primer layer.

20. A floppy disk, comprising a flattening layer with thickness of 0.1 - 5  $\mu\text{m}$ , a seed layer, a nonmagnetic primer layer containing Cr alloy with Cr concentration of 77 - 100 atom %, a magnetic layer containing Co-Cr alloy with Cr concentration of 10 - 30 atom %, a protective layer, and a lubricating layer, all of said layers being coated on at least one of the surfaces of a flexible support member with thickness of 30 - 100  $\mu\text{m}$ , whereby thickness of the seed layer is 5 - 100 nm, and linear expansion coefficient ( $E_{SE}$ ) of the metal seed layer and linear expansion coefficient ( $E_{UL}$ ) of the nonmagnetic primer layer satisfy the relation:  $|E_{SE} - E_{UL}|/E_{UL} < 0.3$ , and tensile strength ( $S_{SE}$ ) of the metal seed layer and tensile strength ( $S_{UL}$ ) of the nonmagnetic primer layer satisfy the relation:  $S_{SE}/S_{UL} > 1$ .